

## SEQUENCE LISTING

<110> MIYATA, Toshio  
KUROKAWA, Kiyoshi

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Tyr Glu Asp Gln Tyr Gly Val Ala Leu Phe Asn Ser Met Arg His Glu  
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att gag ggc acg ggg ctg ccg cag gcc cag ctg ctc tgg cgc aag gtg 202  
Ile Glu Gly Thr Gly Leu Pro Gln Ala Gln Leu Leu Trp Arg Lys Val  
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Tyr Gly Leu Val Leu Tyr Glu Asn Lys Ala Ala Tyr Glu Arg Gln Val  
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150 155 160	
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gcc agc aag atc cga gcc ttc atc ctc ccc aag gca gag gtg tgc gtg Ala Ser Lys Ile Arg Ala Phe Ile Leu Pro Lys Ala Glu Val Cys Val	1018
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Val Pro Thr Ser Gln Gly Phe Thr Glu Val Arg Asp Val Phe Phe Lys			
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Glu Val Thr Asp Met Asn Leu Asn Val Ile Asn Glu Gly Gly Ile Asp			
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Lys Leu Gly Glu Tyr Met Glu Lys Leu Ser Arg Leu Ala Tyr His Pro			
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Gly Leu Gln Gln Arg Phe Asp Val Ser Ser Thr Ser Val Phe Lys Gln			
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cga gcc cag atc cac atg cgg gag caa atg gac aat gcc gtg tat acg		1354	
Arg Ala Gln Ile His Met Arg Glu Gln Met Asp Asn Ala Val Tyr Thr			
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ttc gag acc ctc ctg cac cag gag ctg ggg aag ggg ccc acc aag gag		1402	
Phe Glu Thr Leu Leu His Gln Glu Leu Gly Lys Gly Pro Thr Lys Glu			
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Cys Lys Ser Glu Leu Pro Arg Phe Gln Glu Leu Ile Phe Glu Asp Phe			
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Ala Arg Phe Ile Leu Val Glu Asn Thr Tyr Glu Glu Val Val Leu Gln			
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acc gtc atg aag gac atc ctg cag gct gtg aag gag gcc gcg gtg cag		1690	
Thr Val Met Lys Asp Ile Leu Gln Ala Val Lys Glu Ala Ala Val Gln			
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Arg Lys His Asn Leu Tyr Arg Asp Ser Met Val Met His Asn Ser Asp			
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Pro Asn Leu His Leu Leu Ala Glu Gly Ala Pro Ile Asp Trp Gly Glu			
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Glu Tyr Ser Asn Ser Gly Gly Gly Ser Pro Ser Pro Ser Thr Pro			
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Glu Ser Ala Thr Leu Ser Glu Lys Arg Arg Arg Ala Lys Gln Val Val			
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Ser Val Val Gln Asp Glu Glu Val Gly Leu Pro Phe Glu Ala Ser Pro			
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630	635	640	
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Leu Leu Ala Gln Gly Leu Arg Pro Glu Ser Pro Pro Ala Gly Pro			
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ccc gag gcc tcc tcg ccc cct gcc tca ccc ctc cag cat ctc ctg cct			2122
Pro Glu Ala Ser Ser Pro Pro Ala Ser Pro Leu Gln His Leu Leu Pro			
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Lys Val Pro Leu Asp Glu Arg Ile Val Phe Ser Gly Asn Leu Phe Gln  
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His Gln Glu Asp Ser Lys Lys Trp Arg Asn Arg Phe Ser Leu Val Pro  
65 70 75 80

His Asn Tyr Gly Leu Val Leu Tyr Glu Asn Lys Ala Ala Tyr Glu Arg  
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 Gln Val Pro Pro Arg Ala Val Ile Asn Ser Ala Gly Tyr Lys Ile Leu  
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 Thr Thr Ala Lys Ser Gly Ser Ala Pro Ile Leu Lys Cys Pro Thr Gln  
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 Phe Pro Leu Ile Leu Trp His Pro Tyr Ala Arg His Tyr Tyr Phe Cys  
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 Met Met Thr Glu Ala Glu Gln Asp Lys Trp Gln Ala Val Leu Gln Asp  
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 Cys Ile Arg His Cys Asn Asn Gly Ile Pro Glu Asp Ser Lys Val Glu  
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 Gly Pro Ala Phe Thr Asp Ala Ile Arg Met Tyr Arg Gln Ser Lys Glu  
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 Leu Tyr Gly Thr Trp Glu Met Leu Cys Gly Asn Glu Val Gln Ile Leu  
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 Ser Asn Leu Val Met Glu Glu Leu Gly Pro Glu Leu Lys Ala Glu Leu  
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 Gly Pro Arg Leu Lys Gly Lys Pro Gln Glu Arg Gln Arg Gln Trp Ile  
                   245                 250                     255  
 Gln Ile Ser Asp Ala Val Tyr His Met Val Tyr Glu Gln Ala Lys Ala  
                   260                 265                     270  
 Arg Phe Glu Glu Val Leu Ser Lys Val Gln Gln Val Gln Pro Ala Met  
                   275                 280                     285  
 Gln Ala Val Ile Arg Thr Asp Met Asp Gln Ile Ile Thr Ser Lys Glu  
                   290                 295                     300  
 Leu Leu Ala Ser Lys Ile Arg Ala Phe Ile Leu Pro Lys Ala Glu Val  
                   305                 310                     315                 320  
 Cys Val Arg Asn His Val Gln Pro Tyr Ile Pro Ser Ile Leu Glu Ala  
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 Leu Met Val Pro Thr Ser Gln Gly Phe Thr Glu Val Arg Asp Val Phe  
                   340                 345                     350  
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His Pro Leu Lys Met Gln Ser Cys Tyr Glu Lys Met Glu Ser Leu Arg  
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Leu Asp Gly Leu Gln Gln Arg Phe Asp Val Ser Ser Thr Ser Val Phe  
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Tyr Thr Phe Glu Thr Leu Leu His Gln Glu Leu Gly Lys Gly Pro Thr  
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Lys Glu Glu Leu Cys Lys Ser Ile Gln Arg Val Leu Glu Arg Val Leu  
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Lys Lys Tyr Asp Tyr Asp Ser Ser Ser Val Arg Lys Arg Phe Phe Arg  
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Asp Phe Ala Arg Phe Ile Leu Val Glu Asn Thr Tyr Glu Glu Val Val  
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Leu Gln Thr Val Met Lys Asp Ile Leu Gln Ala Val Lys Glu Ala Ala  
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Gly Glu Glu Tyr Ser Asn Ser Gly Gly Gly Gly Ser Pro Ser Pro Ser  
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Thr Pro Glu Ser Ala Thr Leu Ser Glu Lys Arg Arg Arg Ala Lys Gln  
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Val Val Ser Val Val Gln Asp Glu Glu Val Gly Leu Pro Phe Glu Ala  
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Ser Pro Glu Ser Pro Pro Pro Ala Ser Pro Asp Gly Val Thr Glu Ile  
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Gly Pro Leu Leu Asn Gly Ala Pro Ala Gly Glu Ser Pro Gln Pro Lys  
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Ala Ala Pro Glu Ala Ser Ser Pro Pro Ala Ser Pro Leu Gln His Leu  
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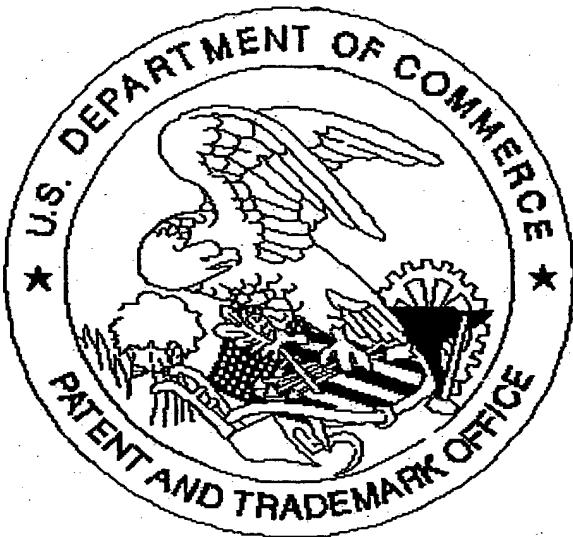
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Page(s) \_\_\_\_\_ of \_\_\_\_\_ were not  
present  
for scanning. (Document title)

*✓ Scanned copy is best available. Figure 2 is very dark*